

OMRF 114 CIP2.ST25
SEQUENCE LISTING

8/10/90
J,
<110> Harley, John
<120> Methods and Reagents for Diagnosis of Autoantibodies
<130> OMRF 114 CIP (2)
<140> 07/867,819
<141> 1992-04-13
<150> 07/472,947
<151> 1990-01-31
<150> 07/648,205
<151> 1991-01-31
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Cys Asp Glu Phe Arg Lys Ile Lys Pro Lys Asn Ala Lys Gln Pro
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Arg Val Pro Leu Ala Gly Ala Ala
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Ala Gly Gly Pro Gly Val Gly Arg Ala Ala Gly Arg Gly Val Pro Ala
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Gly

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Pro	Thr	Gln	Tyr	Pro	Pro	Gly	Arg	Gly	Thr	Pro	Pro	Pro	Pro	Val
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Met Ala Pro Pro Pro Gly Met Arg Pro Pro Met

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Pro Ile Gly Leu Pro Pro Ala Arg Gly Thr Pro Ile Gly Met Pro Pro
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Gln Val Leu Asn Ile Gln Met Arg Arg Thr Leu His Lys Ala Phe Lys
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Asp Lys Phe Leu Lys
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Trp Val Pro Leu Glu Ile Met Ile Lys Phe Asn Arg
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Asn Arg Leu Asn Arg Leu Thr Thr Asp Phe Asn Val Ile Val Glu
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Gly Glu Ile Lys Trp Ile Asp Phe Val Arg Gly Ala Lys
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Ser Leu Asn Lys Trp Lys Ser Lys Gly Arg Arg Phe Lys Gly Lys Gly
1 5 10 15

Lys Gly Asn Lys
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OMRF 114 CIP2.ST25

Gly Asn Leu Gln Leu Arg Asn Lys Glu Val Thr Trp
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Ile Phe Val Val Phe Asp Ser Ile Glu
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Lys Glu Thr Asp Leu Leu Ile Leu Phe Lys Asp Asp Tyr Phe Ala
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Tyr Lys Asn Asp Val Lys Asn Arg Ser Val Tyr Ile Lys Gly Phe Pro
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Thr

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Glu Gly Ile Ile Leu Phe Lys Glu Lys Ala Lys
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Cys Leu Leu Lys Phe Ser Gly Asp
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Lys Val Glu Ala Lys Leu Arg Ala Lys Gln
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Met Asn Arg Leu His Arg Phe Leu
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Ser Glu Gly Gly Thr Tyr Tyr Ile Lys Glu Gln
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Glu Ile Lys Ser Phe Ser Gln Glu Gly Arg Thr
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Gly Arg Thr Thr Lys Gln Glu Pro Met
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Ile Ser Thr Lys Gln Ala Ala Phe Lys Ala Val Ser
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Ala Phe Lys Ala Val Ser Glu Val Cys
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Gly Met Trp Gly Arg Ala Leu Arg Lys Ala Ile Ala
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Asp Leu Leu Arg Leu Ser His
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Leu	Leu	Arg	Leu	Ser	His	Leu	Lys	Pro	Ser	Ser
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His	Glu	Leu	Tyr	Lys	Glu	Lys	Ala
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Leu	Tyr	Lys	Glu	Lys	Ala	Leu	Ser	Val
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Lys Ala Leu Ser Val Glu Thr Glu Lys Leu Leu Lys Tyr Leu
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Lys Leu Leu Lys Tyr Leu Glu Ala
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Leu Glu Ala Val Glu Lys Val Lys Arg Thr Lys Asp Glu

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His Leu Leu Thr Asn His Leu Lys Ser Lys Glu Val Trp Lys Ala Leu
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Leu Gln Glu Met Pro Leu
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Ala Leu Leu Arg Asn Leu Gly Lys Met Thr Ala
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Leu Gly Lys Met Thr Ala Asn Ser
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Leu Cys Asn Glu Lys Leu Leu Lys Lys Ala Arg Ile His Pro Phe His
1 5 10 15

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Thr Tyr Lys Thr Gly His Gly Leu Arg Gly Lys Leu Lys Trp Arg Pro
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Asp Glu

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Ala Leu Asp Ala Ala Phe Tyr Lys
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Ala Ala Phe Tyr Lys Thr Phe Lys Thr Val Glu Pro Thr Gly Lys Arg
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Phe Leu Leu Ala
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Ala Ser Met Asn Gln Arg Val Leu Gly Ser
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Ala Phe Ser Asp Glu Met Val Pro
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Val Pro Cys Pro Val Thr Thr Asp

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Val Leu Met Ala Met Ser Gln Ile

1 5

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Thr Asp Cys Ser Leu Pro Met Ile

1 5

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OMRF 114 CIP2.ST25

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Cys	Ser	Leu	Pro	Met	Ile	Trp	Ala	Gln	Lys	Thr	Asn	Thr	Pro	Ala
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Thr	Phe	Ala	Gly	Gly	Val	His	Pro	Ala	Ile
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84

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Ile Val Thr Lys Tyr Ile Thr Lys Gly Trp Lys Glu Val His Glu Leu
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Ala Leu Phe Ala Pro Arg Asp Pro
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Glu Arg Met Glu Arg Lys Arg Arg Glu Lys
1 5 10

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OMRF 114 CIP2.ST25

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His	Met	Val	Tyr	Ser	Lys	Arg	Ser	Gly	Lys	Pro	Arg	Gly	Tyr
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Tyr	Lys	His	Ala	Asp	Gly	Lys	Lys	Ile	Asp	Gly	Arg	Arg	Val	Leu
1				5					10				15	

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Val Glu Arg Gly Arg Thr Val Lys

86

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Arg Arg Ser Arg Ser Arg Asp Lys
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<400> 79

Arg Arg Arg Ser Arg Glu Arg Ser
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Lys Asp Lys Asp Arg Asp Arg Lys Arg Arg Ser Ser Arg Ser Arg
1 5 10 15

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Arg Arg Ser His Arg Ser Glu Arg
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Ile Lys Lys Asp Glu Leu Lys Lys Ser Leu
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OMRF 114 CIP2.ST25

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Leu Val Ser Arg Ser Leu Lys Met Arg Gly Gln Ala Phe
1 5 10

<210> 86
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Gln Gly Phe Pro Phe Tyr Asp Lys Pro Met Arg Ile
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Ile Ile Ala Lys Met Lys Gly Thr Phe
1 5

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90

8

OMRF 114 CIP2.ST25

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Glu Arg Asp Arg Lys Arg Glu Lys Arg Lys Pro Lys Ser
1 5 10

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Gln Glu Thr Pro Ala Thr Lys Lys Ala
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Ala Leu Gln Gly Phe Lys Ile Thr
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Ala Met Lys Ile Ser Phe Ala Lys Lys
 1 5

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Ser Val Arg Lys Thr His Cys Ser Gly Arg Lys His Lys Glu Asn Val
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Lys Asp

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 <213> homo sapien

<400> 93

Lys Asp Tyr Tyr Gln Lys Trp Met
 1 5

<210> 94
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92

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<400> 94

Ala Phe Gln Gln Gly Lys Ile Pro Pro
1 5

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<223> Binding site

<400> 95

Lys Ile Pro Pro Thr Pro Phe Ser
1 5

<210> 96
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<400> 96

Pro Pro Pro Pro Ser Leu Pro Gly
1 5

<210> 97

93

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OMRF 114 CIP2.ST25

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Ser Leu Pro Gly Pro Pro Arg Pro
 1 5

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Gly Pro Pro Arg Pro Gly Met Met Pro Ala
 1 5 10

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Pro Pro Pro Pro Gly Met Met Pro
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Gly Pro Ala Pro Gly Met Arg Pro Pro
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Pro Pro Met Met Arg Pro Pro Ala
 1 5

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 <223> Binding site

<400> 102

95

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Pro Gly Met Thr Arg Pro Asp Arg
1 5

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<400> 103

Ile Gly Thr Phe Lys Ala Phe Asp
1 5

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<400> 104

Asp Cys Asp Glu Phe Arg Lys Ile
1 5

<210> 105
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Pro Lys Asn Ala Lys Gln Pro Glu
1 5

<210> 106
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Met Pro Pro Pro Gly Met Arg Pro
1 5

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Gln Gln Val Met Thr Pro Gln Gly
1 5

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<400> 108

Gln Gly Arg Gly Thr Val Ala Ala
1 5

<210> 109
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Ala Pro Thr Gln Tyr Pro Pro Gly
1 5

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<400> 110

Gly Thr Pro Pro Pro Pro Val Gly
1 5

<210> 111
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97

8

<213> homo sapien

<400> 111

Ile Met Ala Pro Pro Pro Gly Met
1 5

<210> 112

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Ile Gly Met Pro Pro Pro Gly Met
1 5

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<400> 113

Gly Met Pro Pro Pro Gly Met Arg
1 5

<210> 114

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<213> homo sapien

<400> 114

Pro Pro Gly Met Arg Pro Pro Pro
1 5

<210> 115

<211> 8

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<213> homo sapien

<400> 115

98

X

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Met Arg Pro Pro Pro Pro Gly Ile
1 5

<210> 116
<211> 8
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<213> homo sapien

<400> 116

Pro Ala Pro Gly Met Arg Pro Pro
1 5

<210> 117
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<212> PRT
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<400> 117

Pro Pro Pro Gly Met Ile Pro Pro
1 5

<210> 118
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<400> 118

Met Pro Pro Pro Gly Met Arg Pro
1 5

<210> 119
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Pro Pro Pro Gly Xaa Arg
1 5

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Pro Pro Pro Pro Pro
1 5

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Pro Gly Ile Arg Gly Pro Pro Pro
1 5

<210> 122

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<212> PRT

<213> Homo Sapien

<400> 122

Pro Pro Pro Gly Ile Arg Pro Pro
1 5

<210> 123

<211> 8

<212> PRT

<213> Homo sapiens

<400> 123

Thr Phe Lys Ala Phe Asp Lys His
1 5

100

8

<210> 124
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<400> 124

Cys Asp Glu Phe Arg Lys Ile Lys
1 5

<210> 125
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Asp Glu Phe Arg Lys Ile Lys Pro
1 5

<210> 126
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Glu Phe Arg Lys Ile Lys Pro Lys
1 5

<210> 127
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Phe Arg Lys Ile Lys Pro Lys Asn
1 5

<210> 128
<211> 8

101

8

<212> PRT
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Arg Lys Ile Lys Pro Lys Asn Ala
1 5

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Lys Ile Lys Pro Lys Asn Ala Lys
1 5

<210> 130
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Ile Lys Pro Lys Asn Ala Lys Gln
1 5

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Lys Pro Lys Asn Ala Lys Gln Pro
1 5

<210> 132
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<400> 132

102

8

Gln Val Met Thr Pro Gln Gly Arg
1 5

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<400> 133

Val Met Thr Pro Gln Gly Arg Gly
1 5

<210> 134
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Met Thr Pro Gln Gly Arg Gly Thr
1 5

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Thr Pro Gln Gly Arg Gly Thr Val
1 5

<210> 136
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<400> 136

Pro Gln Gly Arg Gly Thr Val Ala
1 5

103



<210> 137
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<212> PRT
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<400> 137

Pro Thr Gln Tyr Pro Pro Gly Arg
1 5

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Thr Gln Tyr Pro Pro Gly Arg Gly
1 5

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Tyr Pro Pro Gly Arg Gly Thr Pro
1 5

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Gln Tyr Pro Pro Gly Arg Gly Thr
1 5

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Pro Pro Gly Arg Gly Thr Pro Pro
1 5

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Pro Gly Arg Gly Thr Pro Pro Pro
1 5

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Gly Arg Gly Thr Pro Pro Pro Pro
1 5

<210> 144

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<213> Homo sapiens

<400> 144

Arg Gly Thr Pro Pro Pro Pro Val
1 5

<210> 145

<211> 8

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185

8

Met Ala Pro Pro Pro Gly Met Arg
1 5

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Ala Pro Pro Pro Gly Met Arg Pro
1 5

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Pro Pro Pro Gly Met Arg Pro Pro
1 5

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Pro Pro Gly Met Arg Pro Pro Met
1 5

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Pro Pro Pro Gly Met Arg Pro Pro
1 5

106

8

OMRF 114 CIP2.ST25

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Arg Pro Pro Pro Pro Gly Ile Arg
1 5

<210> 151
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Pro Pro Pro Pro Gly Ile Arg Gly
1 5

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Pro Pro Pro Gly Ile Arg Gly Pro
1 5

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Pro Pro Gly Ile Arg Gly Pro Pro
1 5

<210> 154
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187

X

<400> 154

Arg Gly Pro Pro Pro Pro Gly Met
1 5

<210> 155

<211> 8

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Gly Pro Pro Pro Pro Gly Met Arg
1 5

<210> 156

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Pro Pro Pro Pro Gly Met Arg Pro
1 5

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Pro Pro Pro Gly Met Arg Pro Pro
1 5

<210> 158

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<212> PRT

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Pro Pro Gly Met Arg Pro Pro Arg

108

8

1

5

<210> 159
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<212> PRT
<213> Homo sapiens

<400> 159

Pro Pro Pro Gly Met Arg Pro .
1 5

J,
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<400> 160

Pro Pro Pro Gly Met Arg
1 5

<210> 161
<211> 5
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<400> 161

Pro Pro Pro Gly Met
1 5
